| Inde | ex of | Claims |  |
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| Application No. | Applicant(s)   |  |
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| 10/005,219      | SWISHER ET AL. |  |
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| Cla         | aim      |          |                 |                    | D               | ate      |           |          |         | 1       | Cla      | aim      |                     |         |        | Date         | ,              |               |          |             | Cla   | aim      |                       |   |                     | Date         | 9               |          |          |          |
|-------------|----------|----------|-----------------|--------------------|-----------------|----------|-----------|----------|---------|---------|----------|----------|---------------------|---------|--------|--------------|----------------|---------------|----------|-------------|-------|----------|-----------------------|---|---------------------|--------------|-----------------|----------|----------|----------|
|             | _        | 7        | П               |                    | T               |          |           |          |         | 1       |          |          | П                   | T       |        |              |                |               |          |             |       |          |                       |   |                     |              |                 |          |          |          |
| ā           | E        | 9        |                 |                    |                 |          |           |          | - [     |         | ल        | na<br>n  |                     |         |        |              |                |               |          |             | ख     | Ë        |                       | Ì   | 1                   |              |                 |          |          |          |
| Final       | Original | 7/9/04   |                 |                    | 1               | - 1      |           |          |         |         | Fina     | Original |                     |         |        |              | - 1            | İ             |          |             | Final | Original | ŀ                     | ĺ   | 1                   |              |                 | İ        |          |          |
| -           | Ō        | 04       |                 |                    |                 |          |           |          |         |         | -        | 0        | 1 1                 |         |        | 1            |                |               |          |             |       | 0        | H                     |   | 1                   |              |                 |          |          |          |
|             | B        | •        | $\vdash$        | +                  | +               | -+       | -+        | +        |         | -       | Ž        | 51       | -                   | $\pm$   | +      | ╆╌╢          | _              | +             | +        |             |       | 101      | $\neg$                | +   | † ·                 | П            |                 | ヿ        |          |          |
| -           | 2        |          | $\vdash$        | +                  | +               | +        | +         | $^+$     | +       | -       | F        | 52       | H                   | +       | ╁      | ╁┈┪          | -+             | $\top$        | Н        |             |       | 102      |                       | 1   | +-                  |              |                 | 7        | $\dashv$ |          |
|             | 3        | -        | $\vdash$        | $\dashv$           | ╅               | +        | +         |          |         | -       |          | 53       |                     | +       | +      | $\vdash$     | $\dashv$       | +             | $\vdash$ |             | -     | 103      | $\vdash$              |   | 1                   |              | _               | 一        | 寸        |          |
|             | 4        | <u></u>  | $\vdash$        | +                  | +               | -        | +         | +        |         | -       | _        | 54       | $\vdash$            | +       | +      | $\vdash$     |                |               |          |             |       | 104      |                       |   | T                   |              |                 | _        | $\dashv$ | _        |
|             | 5        | -        | $\vdash$        | +                  | -+              | $\dashv$ | +         | +        |         | -       |          | 55       | $\vdash$            |         |        | H            | <del>;  </del> | +             | 1-1      |             |       | 105      | $\dashv$              | +   | +-                  | Н            |                 | $\dashv$ | -        |          |
|             |          | -        | H               | $\dashv$           | +               | +        | +         | -+       | +       | -       |          | 56       | $\vdash$            | +       | +-     | H            |                |               | +        |             |       | 106      |                       |   | ╁                   | Н            | $\vdash$        | $\dashv$ | $\dashv$ | _        |
|             | <b>6</b> | 1        | $\vdash$        |                    | +               | -+       | +         | -        |         | -       |          | 57       | $\vdash$            | +       | +      | -            | . +            |               | +        |             |       | 107      | +                     |   | ╁                   | Н            |                 | $\dashv$ | $\dashv$ |          |
|             | 7        | 2        | -               | +                  | +               | $\dashv$ |           | $\dashv$ |         | -       |          | 58       | -                   |         |        |              | $\dashv$       | +             | +        |             |       | 108      | -                     |   | 1                   |              | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>    | 8        | 1        | $\vdash$        | +                  | $\dashv$        | $\dashv$ | $\dashv$  | +        | -       | -       |          | 59       | -                   | +       |        | $\vdash$     | $\dashv$       | -             | +        |             |       | 109      |                       | +   | +                   | -            |                 | $\dashv$ | $\dashv$ |          |
| <u> </u>    | 9        | Ľ        | $\vdash$        | -                  | -               | $\dashv$ | -+        | +        | -       | -       |          |          |                     | +       | +      |              | -+             |               | +        |             |       |          | -                     | +-  | ┼                   | -            | $\vdash$        | $\dashv$ | $\dashv$ |          |
|             | 10       | 2        | $\vdash \vdash$ | +                  | +               | $\dashv$ | +         | -        | +       | -       |          | 60       |                     |         | +      | $\vdash$     | $\dashv$       | +             | +        |             |       | 110      | +                     | -   | +-                  | $\vdash$     | $\vdash$        | -+       | $\dashv$ |          |
| <u></u>     | 11       | ــــ     | $\vdash$        | _                  | $\dashv$        | $\dashv$ | +         | +        | +       | -       |          | 61       |                     | -       | +      | $\vdash$     | -+             | +             | +        |             |       | 111      | $\vdash +$            | +   | +-                  | $\vdash$     |                 |          | $\dashv$ | $\dashv$ |
|             | 12       | ļ        | $\vdash$        |                    | -+              | $\dashv$ | $\dashv$  | +        | -       | -       |          | 62       | $\vdash$            |         | +      | Н            | $\dashv$       | +             | ┰        |             |       | 112      | $\vdash$              | +   | +                   | Н            | $\vdash$        | $\dashv$ |          | $\dashv$ |
|             | 13       | $\vdash$ | $\sqcup$        | _                  | $\dashv$        | _        | $\dashv$  | $\perp$  | $\bot$  | -       |          | 63       | $\vdash$            | +       |        | $\vdash$     | $\dashv$       | -             | $\dashv$ |             |       | 113      | -                     | -   | ┼                   | $\vdash$     | $\vdash$        | -        | $\dashv$ |          |
|             | 14       | $\vdash$ | $\sqcup$        | $\perp$            | 4               | _        | $\perp$   | $\perp$  | _       | 4       |          | 64       | $\vdash$            | 4.      |        | $\vdash$     | $\perp$        | +             | $\vdash$ |             |       | 114      | <del></del>           | +   | +-                  | $\vdash$     | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          |
|             | 15       |          | $\sqcup$        | _                  | 4               | _        | $\perp$   | 4        | _       | 4       | <u> </u> | 65       | $\sqcup$            | $\perp$ | _      | $\vdash$     | _              | -             | $\vdash$ |             |       | 115      | $\vdash$              | $\bot$  | 4-                  | Н            | $\sqcup$        | -        |          | _        |
|             | 16       |          | $\sqcup$        | $\perp \!\! \perp$ | $\perp$         | $\dashv$ | $\perp$   |          |         | 4       |          | 66       | $\sqcup \downarrow$ |         |        | $\vdash$     | $\perp$        |               | $\sqcup$ |             |       | 116      | $\sqcup \!\!\! \perp$ | $\perp$   | 1                   | Ш            | Ш               |          | _        | $\dashv$ |
|             | 17       | ┖        | Ш               |                    | $\perp$         | _        | $\bot$    | $\perp$  | $\perp$ | 4       | <u></u>  | 67       |                     |         |        | Ш            | $\perp$        |               | 1_       |             |       | 117      | $\sqcup \downarrow$   | _   | 1                   | Ш            | Ш               |          | _        |          |
|             | 18       | L        |                 | _                  |                 |          |           | $\perp$  | ┸       | _       |          | 68       |                     |         |        |              |                |               | $\perp$  |             |       | 118      |                       |   | _                   | Ш            |                 | $\dashv$ | _        | _        |
|             | 19       |          |                 |                    |                 |          |           |          |         | _]::::: |          | 69       |                     |         |        |              |                |               |          |             |       | 119      |                       |   |                     |              |                 | $\Box$   | _        |          |
|             | 20       |          |                 |                    |                 |          |           |          |         |         |          | 70       |                     | _       |        |              |                |               |          |             |       | 120      |                       |   |                     |              |                 |          |          |          |
|             | 21       |          |                 |                    |                 |          |           |          |         |         |          | 71       |                     |         |        |              |                |               |          |             |       | 121      | $\perp$               |   | <u> </u>            |              |                 |          | $\perp$  |          |
|             | 22       |          |                 |                    |                 |          |           |          |         |         | Ĺ        | 72       |                     |         |        |              |                |               | $\perp$  |             |       | 122      |                       |   |                     |              |                 |          |          |          |
|             | 23       |          |                 |                    | . ].            |          | $\perp$   |          |         |         |          | 73       |                     | L       | _]     |              |                |               | $\perp$  |             |       | 123      |                       |   |                     |              |                 |          |          |          |
|             | 24       |          |                 |                    |                 |          |           |          | ┸       |         |          | 74       |                     | $\perp$ | 1_     |              |                |               |          |             |       | 124      |                       |   | ┸                   |              |                 |          | $ \bot $ | _        |
|             | 25       |          |                 |                    |                 |          |           |          |         |         | <u> </u> | 75       |                     |         |        |              |                |               | $\perp$  |             |       | 125      |                       |   |                     | $oxed{oxed}$ |                 |          | _        |          |
|             | 26       |          |                 |                    |                 |          |           |          |         |         | L        | 76       |                     |         |        |              |                |               |          |             |       | 126      |                       |   |                     | _            |                 |          |          | _        |
|             | 27       | L        |                 |                    |                 |          |           | .        |         |         |          | 77       |                     |         |        | $oxed{oxed}$ |                |               |          |             |       | 127      |                       |   | 1_                  |              |                 |          | _        | _        |
|             | 28       | L        |                 |                    |                 |          |           |          |         |         |          | 78       |                     |         |        | ļ            |                |               |          |             |       | 128      |                       |   | <u> </u>            |              |                 |          |          |          |
|             | 29       | l        |                 |                    |                 |          |           |          |         |         |          | 79       |                     |         |        |              |                |               |          |             |       | 129      |                       |   |                     |              |                 |          |          |          |
|             | 30       |          |                 |                    |                 |          |           |          |         |         |          | 80       |                     |         |        |              |                |               |          |             |       | 130      |                       |   |                     |              | $\Box$          | Ш        |          |          |
|             | 31       |          |                 |                    | Ţ               |          |           |          |         |         |          | 81       |                     |         |        |              |                |               |          |             |       | 131      |                       |   |                     |              |                 |          |          |          |
|             | 32       |          | П               |                    | $\neg$          |          |           | - 1      | -       |         |          | 82       |                     |         |        |              |                |               | _        |             |       | 132      |                       |   |                     |              |                 |          |          |          |
|             | 33       |          |                 |                    | $\neg$          |          |           |          |         |         |          | 83       | П                   | T       | П      |              |                |               |          |             |       | 133      |                       |   |                     |              |                 |          |          |          |
|             | 34       |          | П               | $\neg$             |                 | T        | T         |          |         | 7       |          | 84       | П                   | T       | T      |              | T              |               |          |             |       | 134      |                       |   |                     |              |                 |          |          |          |
| -           | 35       | -        |                 | -                  |                 |          |           |          |         |         |          | 85       |                     |         | T      |              |                | J             |          |             | Ŀ     | 135      |                       |   | $oxed{oxed}$        |              |                 |          |          | _        |
|             | 36       | 1        | П               | 寸                  | 一               | $\neg$   | 十         | $\neg$   | 7       |         |          | 86       |                     |         |        |              |                |               |          |             |       | 136      |                       | J   |                     |              |                 |          |          |          |
|             | 37       |          | П               | $\neg$             | $\neg$          | $\neg$   | $\exists$ |          | T       | 7       |          | 87       | $\Box$              |         |        |              |                | $\top$        |          |             |       | 137      |                       | Ţ   | $\mathbf{I}^{\top}$ |              |                 |          |          |          |
| -           | 38       | Ī        | Ħ               | 1                  | 1               | -        | 寸         | 寸        | ┰       | 7       |          | 88       |                     | $\top$  |        | T            |                | $\top$        |          |             |       | 138      |                       | 1   |                     |              |                 |          |          |          |
|             | 39       |          | Ħ               | T                  | 寸               | T        | 丁         | _        | T       | 7::::   |          | 89       | П                   |         | $\top$ | П            |                |               | T        | 1           |       | 139      |                       |   |                     |              |                 |          |          |          |
|             | 40       | Ι.       | T               | 十                  | 寸               | 寸        | $\neg$    | $\top$   | T       | 7       |          | 90       | $\sqcap$            | $\top$  |        | Т            |                | $\top$        |          | 1           |       | 140      |                       |   |                     |              |                 |          |          |          |
|             | 41       |          | Ħ               | 1                  | 寸               | T        | 十         | 寸        | $\top$  | 7       |          | 91       | П                   | 一       | _      |              |                |               | $\top$   | 1           |       | 141      |                       |   |                     |              |                 |          |          |          |
|             | 42       |          | П               | $\dashv$           | $\dashv$        | 一        | 7         | 十        | $\top$  | 1       |          | 92       |                     | $\top$  | T-     | Τ            |                | $\neg$        | T        | 1           |       | 142      |                       | $\top$  |                     |              |                 |          |          |          |
|             | 43       |          | $\Box$          | 寸                  | $\dashv$        | _        | $\neg$    | $\top$   | 十       | 7       |          | 93       | $\sqcap$            | _       | 1      | Г            |                |               |          |             |       | 143      |                       |   | Ι                   |              |                 |          |          |          |
|             | 44       |          | $\Box$          |                    | $\dashv$        | 寸        |           | _        | 十       | 7       |          | 94       | $\Box$              | $\top$  |        | П            |                |               |          |             |       | 144      |                       |   | Γ                   |              |                 |          |          |          |
|             | 45       |          | $\Box$          | $\dashv$           | $\neg$          | _        | 十         | $\top$   | 十       | 7       |          | 95       | П                   | 一       |        | П            | $\Box$         | $\neg$        |          |             |       | 145      |                       |   |                     |              |                 |          |          | _        |
|             | 46       |          |                 |                    | $\dashv$        | $\dashv$ | $\dashv$  | $\top$   | 十       | 7       |          | 96       | $\Box$              |         |        | П            |                | _             |          |             |       | 146      |                       |   |                     |              |                 |          |          |          |
|             | 47       | Г        | $\sqcap$        | _                  | $\neg$          | 寸        | $\dashv$  | $\top$   | 十       | 7       |          | 97       | $\Box$              |         |        | П            |                | $\neg \vdash$ |          |             |       | 147      |                       | _   |                     |              |                 |          |          |          |
|             | 48       |          | 口               |                    | $\neg$          | 7        | 丁         | $\dashv$ | 丁       | 7       |          | 98       | П                   | $\neg$  | 1      | Т            |                | $\top$        | Т        |             |       | 148      |                       | I   |                     |              |                 |          |          |          |
|             | 49       | Г        | П               | $\neg$             | $\neg \uparrow$ | 7        |           | $\neg$   | T       | 7       |          | 99       |                     |         |        |              |                | 7             |          |             |       | 149      |                       |   |                     |              |                 |          |          |          |
|             | 50       | П        | $\sqcap$        |                    | $\neg$          | 7        | $\top$    |          | 丁       | 7       |          | 100      |                     |         |        |              |                | 1             | 1        |             |       | 150      |                       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | L                   |              |                 |          |          |          |
| <del></del> |          | •        |                 |                    |                 |          |           |          |         |         |          | •        |                     |         |        | _            |                |               |          | • · · · · · |       |          | _                     |   |                     |              |                 |          |          |          |